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RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)								DATE February 2000	
BUDGET ACTIVITY 05 - Engineering and Manufacturing Development				PE NUMBER AND TITLE 0207249F Precision Attack Systems				PROJECT 652693	
COST (\$ in Thousands)	FY 1999 Actual	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	Cost to Complete	Total Cost
652693 Lantirn	0	0	3,965	5,950	0	0	0	9,915	9,915
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0
<p>(U) <u>A. Mission Description</u></p> <p>The primary mission of the Low Altitude Navigation and Targeting Infrared for Night (LANTIRN) targeting and navigation pods is to execute surgical strike operations under various conditions. The targeting pod is the core of the Combat Air Forces (CAF) precision guided munitions (PGM) capability, the heart of F-15E and F-16Blk40 operations. A suite of support equipment provides maintenance analysis for organic pod repair. The mission capable rate of the pods is directly related to the availability of the support equipment. This equipment utilizes early 1980's technology and is in serious decline. Operators experience excessive down-time due to obsolete parts and ever decreasing repair capability. The System Program Office has developed a plan to upgrade the support equipment, replacing obsolete parts with commercial off-the-shelf components, increasing throughput by 70 percent, and facilitating AEF-tailored, small footprint, rapid deployment capability.</p> <p>Without this upgrade, support equipment sustainability and thus, pod operability, are questionable after FY01.</p> <p>(U) <u>FY 1999 (\$ in Thousands)</u></p> <p>(U) \$0 No Activity</p> <p>(U) \$0 Total</p> <p>(U) <u>FY 2000 (\$ in Thousands)</u></p> <p>(U) \$0 No Activity</p> <p>(U) \$0 Total</p> <p>(U) <u>FY 2001 (\$ in Thousands)</u></p> <p>(U) \$3,965 Required development and engineering for upgrade of LANTIRN support equipment, and development of associated technical data and drawings.</p> <p>(U) \$3,965 Total</p> <p>(U) <u>B. Budget Activity Justification</u></p> <p>The LANTIRN SE upgrade program is in budget activity 5 - Engineering and Manufacturing Development because it is in engineering and manufacturing development and has not received full-rate production approval..</p>									
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BUDGET ACTIVITY 05 - Engineering and Manufacturing Development					PE NUMBER AND TITLE 0207249F Precision Attack Systems					PROJECT 652693	
(U) <u>C. Program Change Summary (\$ in Thousands)</u>											
				<u>FY 1999</u>		<u>FY 2000</u>		<u>FY 2001</u>		<u>Total Cost</u>	
(U) Previous President's Budget (FY 2000 PBR)								3,965		9,915	
(U) Appropriated Value											
(U) Adjustments to Appropriated Value											
a. Congressional/General Reductions											
b. Small Business Innovative Research											
c. Omnibus or Other Above Threshold Reprogram											
d. Below Threshold Reprogram											
e. Rescissions											
f. Other											
(U) Adjustments to Budget Years Since FY 2000 PBR											
(U) Current Budget Submit/FY 2001 PBR								3,965		9,915	
(U) <u>Significant Program Changes:</u>											
(U) <u>D. Other Program Funding Summary (\$ in Thousands)</u>											
		<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>Cost to</u>	<u>Total Cost</u>	
		<u>Actual</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Complete</u>		
(U) AF RDT&E											
(U) Other APPN											
(U) <u>E. Acquisition Strategy</u>											
The majority of engineering and development of the upgrade to the LANTIRN Intermediate Automatic Test Equipment (LIATE) and Electro-Optical Test Set (EOTS) will be completed under the Commercial Operations and Support Savings Initiative (COSSI), a DoD-funded program. Additional required engineering for the LIATE and EOTS or for the remaining support equipment will be contracted. Contract development of the associated technical data and drawings for the upgraded equipment will also be required.											
(U) <u>F. Schedule Profile</u>											
				<u>FY 1999</u>			<u>FY 2000</u>			<u>FY 2001</u>	
				1	2	3	4	1	2	3	4
(U) Develop LANTIRN SE upgrade and tech data									X		

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RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)										DATE February 2000	
BUDGET ACTIVITY					PE NUMBER AND TITLE					PROJECT	
05 - Engineering and Manufacturing Development					0207249F Precision Attack Systems					652693	
(U) <u>A. Project Cost Breakdown (\$ in Thousands)</u>											
					<u>FY 1999</u>		<u>FY 2000</u>		<u>FY 2001</u>		
(U) Develop LANTIRN SE upgrade and tech data									3,965		
(U) Total									3,965		
(U) <u>B. Budget Acquisition History and Planning Information (\$ in Thousands)</u>											
(U) <u>Performing Organizations:</u>											
<u>Contractor or Government</u>		<u>Contract Method/Type</u>		<u>Award or Obligation</u>		<u>Performing Activity</u>		<u>Project Office</u>			
<u>Performing Activity</u>		<u>or Funding Vehicle</u>		<u>Date</u>		<u>EAC</u>		<u>EAC</u>			
Lockhee Martin Space and Missiles									3,965		5,950
<u>Product Development Organizations</u>											
<u>Support and Management Organizations</u>											
<u>Test and Evaluation Organizations</u>											
					<u>Total Prior to FY 1999</u>		<u>Budget FY 1999</u>		<u>Budget FY 2000</u>		<u>Budget FY 2001</u>
									<u>Budget to Complete</u>		<u>Total Program</u>
<u>Subtotals</u>									3,965		5,950
Subtotal Product Development											
Subtotal Support and Management											
Subtotal Test and Evaluation											
Total Project									3,965		5,950
											9,915

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